

Invitation to Bid

Town of Newington

The Town of Newington will accept bids on a Mobile License Plate Reader System. All bids must be submitted in accordance with Town specifications and on forms supplied by the Town. Bid forms and specifications are available in the office of the Town Manager, 131 Cedar Street, Newington, Connecticut 06111. Bids will be received and read publicly at 2:30 p.m. on June 30, 2009. The Town of Newington reserves the right to reject any or all bids.

John Salomone
Town Manager

Bid No. 9, 2008-09

TOWN OF NEWINGTON

MOBILE LICENSE PLATE READER SYSTEM

GENERAL INFORMATION

1. INTENT

It is the intent of the Town of Newington to purchase one Mobile License Plate Reader System that will be shared by the Newington Police Department with another law enforcement jurisdiction, namely the Town of Wethersfield Police Department.

2. BID PROCEDURES

All bids shall be submitted on forms provided by the Town of Newington and addressed to the Town Manager's Office, 131 Cedar Street, Newington, CT 06111. Bids will be opened and read publicly at 2:30 p.m. on June 30, 2009 in the Town Manager's Office. Sealed bid envelopes should be clearly labeled "Bid No. 9, 2008-09 Police Mobile License Plate Reader".

The Town reserves the right to waive informalities or to reject any or all bids when such action is deemed to be in the best interests of the Town. The Town reserves the right to delete such items as it deems necessary from these proposals. All exceptions of the bidder to the terms and specifications of this bid shall be made in writing and submitted in full with the Bid Form. For all other terms and specifications, submission of a bid constitutes acceptance by the bidder. The Town reserves the sole right to reject bids which contain exceptions that it deems to be unacceptable.

3. SPECIFICATIONS

Bids shall be submitted in conformance with the attached detailed specifications, which are to be considered as minimum acceptable standards. All items shall be new standard production models.

4. NONDISCRIMINATION

The Contractor shall agree and warrant that it will not discriminate or permit discrimination against any person or group of persons on the grounds of sex, race, color, religion, age, marital status, ancestry, national origin, past history of mental disorder, mental retardation or physical disability or other basis in any manner prohibited by the laws of the United States, the State of Connecticut, or the Town of Newington.

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5. SUBMITTALS

In addition to the Bid Form, the following shall be submitted:

- A. One (1) set of manufacturer's specifications are to accompany each bid. These specifications will be evaluated to determine if the components are equivalent to the items specified. Bidder shall note, in writing, any deviation from the specifications of this bid. Merely providing literature is not sufficient and may be just cause for rejection of a bid.
- B. The warrantee period shall be submitted with the Bid Form.
- C. The successful bidder must supply all manufacturers' equipment and technical advice necessary for the proper operation of the equipment.
- D. The successful bidder must further supply two (2) complete operational manuals.

6. EXTENSION OF AWARD

It is also the intention of the Town of Newington to extend the opportunity to other municipalities who wish to do so to use this bid for the purchase of the same system. All agreements, awards, contracts, or purchases by other municipalities arising from this bid shall be directly between the bidder and the municipality, with the Town of Newington assuming no role, responsibility, or liability for the actions or omissions of either party.

7. QUESTIONS

All questions regarding these specifications shall be presented to Chief Richard Mulhall, Newington Police Department, 131 Cedar Street, Newington, CT 06111, telephone number 860-594-6220. All questions shall be presented at least three business days prior to the bid opening to allow for the preparation of written addenda. All addenda shall be posted on the Town's web site, www.newingtonct.gov, in the Town Manager's Office purchasing section.

TOWN OF NEWINGTON
MOBILE LICENSE PLATE READER SYSTEM
SPECIFICATIONS

GENERAL

A. This unit must have the capabilities of real time inquiry for:

1. Stolen vehicles
2. Stolen license plates
3. Wanted persons
4. Missing persons
5. License suspended motorists (when available from CT DMV)
6. Registration suspension information (when available from CT DMV)
7. Local database information on scofflaw offenders
8. A method for the Police Department to create and load other local database checks

B. In addition the system must have:

1. Real time technology
2. Criminal intelligence capabilities (witness identification, watch list development, track and record vehicles locations, data mining, pattern recognition, etc.)
3. Geo-mapping
4. Amber alert
5. Other intelligence capabilities.

C. This system must supply each Crown Victoria with internal equipment (such as power cord, Ethernet cable, and GPS unit) to allow for a quick change of equipment from one vehicle to another. The system must include:

1. A processing unit that must be functional in operating temperatures generated in the Connecticut summer and winter.
2. Six (6) cameras (3 color & 3 infrared in three enclosures). The unit must be sealed and water tight for operation in the Connecticut summer and winter seasons.
3. A junction box
4. 2 sets of power cables
5. 2 sets of Ethernet cables
6. 2 sets of GPS unit
7. Software (installed into two MDT units – Police Department owned)

8. Magnet mounts for all three camera units for a Ford Crown Victoria
9. All related licensing for one system and two (2) MDTs
10. All hardware and software provided by the vendor must be covered under a one-year parts and labor warrantee at no additional cost to the customer during the first year of service.
11. The vendor must furnish extended warranty/maintenance costs for both hardware and software for up to three (3) years from the date of installation.
12. On site training of for the system users and administrators.
13. Installation of full system into one Crown Victoria and wiring into a second Crown Victoria to allow the easy transfer of the processing unit, cameras, and camera cables based on oversight of the customer's requirements.
14. All system documentation must be furnished in electronic format.
15. All part shall be standard product line.
16. Other equipment as needed to complete the system.

D. The vendor (delivering company) shall perform pre-delivery operations as specified by the manufacturer. The unit shall be delivered then installed, within 14 calendar days of delivery, into the police vehicle in order to be placed into immediate police service. All deliveries shall comply in every respect with all applicable laws of the Federal Government and the State of Connecticut. The system shall contain the following features:

1. Be able to read all 50 state license plates both during the day and at night
2. Have an accuracy rating of 90% or greater
3. Camera must be color and consist of a 25mm and 16mm camera (or equivalent).
4. The software must be integrated with the current MDT system used by both Newington and Wethersfield Police Department – CAPTAINS.
5. The software must be able to be installed on multiple computers at no additional charge. The system will be limited to one vehicle operation at any one time based on the purchase of one set of hardware.
6. The system must have different classes of alarms to be utilized during its operation
7. The system must be a transportable unit so it can be moved easily from one car to another
8. The system must be able to import hot lists from multiple locations
9. The system must have an area location program available which will allow the user to enter the locations of all the schools in the community and the license plate of sex offenders so when they are within 1,000 ft. of a school it will alarm and notify the officer this person is there and potentially violating their terms of release
10. The system must mount easily and must be able to be moved quickly from car to car. The Town's preference is trunk mounted to ensure a low profile vehicle (no light rack) can be used. The mount should also be able to swivel

around on the left side of the car so the operator can switch from reading the front plate to the rear plate

11. The processor must be designed to meet the environmental conditions associated with trunk mounted unit under various temperature conditions.

E. The system must be capable of capturing license plates as follows:

1. Adjacent lane on either side of the cruiser while driving through parking lots.
2. Traffic in the adjacent lane while parked on the side of the roadway.
3. Adjacent lane capture the rear or front license plate of a vehicle as it passes the police unit (3 camera system).
4. The system must operate in day and night lighting.
5. The system must be able to capture vehicle license plates at speeds of up to 100 mph.

F. Warranty

1. Date of warranty shall commence on the date the unit becomes operational.

G. Model

1. The model must be the most up to date version of the company's Mobile License Plate Reader and must be the standard equipment package (or as modified by these specifications).

H. Standard

1. All items included in consumer available literature shown or indicated as "standard equipment" shall be provided. No equipment deductions are to be taken without the consent of the Town.

I. Delivery

1. The equipment shall all be delivered, prepped and in the possession of the Newington Police Department within 30 days after issuance of the award.

J. Standard Equipment

1. The processor shall have a minimum configuration as follows:
 - a. CPU – has DDRAM 128MB, FLASH 16MB and NAND FLASH 256MB.
 - b. The processor shall be capable of trunk installation and withstand that environment.
 - c. The system shall be able to process two images coming from the black and white and color cameras.
 - d. All processing shall take place in the processor and shall have no or little effect on the host MDT.
2. The system shall be composed of multiple software packages:
 - a. Must support "hot list" database from the federal government.

- b. Algorithm - camera and Ethernet management and communication.
 - c. Car System - This shall be the on-board GUI. The program must store on a local database all the reads, implement the matching of reads against the Hot Lists, receive the GPS antenna inputs, query the application for particular license plate to see if it is within the system, and manage wireless communications.
 - d. Operation Center - This shall be the central server software, which shall include a database, a web Server, an FTP Server and applications in charge of managing communication to and from cars.
3. Cameras
- a. Each camera enclosure shall include two cameras and an infrared illuminator. The enclosure shall be provided with a special lens and optical filters to maximize infrared illumination effectiveness for all-weather 24 hrs. performance.
 - b. The system shall be a three (3) camera system (total of 6 cameras)
 - c. Maximum Data Rate – 25 fps (Frames Per Second)
 - d. Camera mounts must have magnetic mounts with trunk lip securing points.
4. Illuminator
- a. Shall be constructed to meet system requirements. Eye Safety Certification Class (EN60825-1)
5. Cable & Other Requirements
- a. The cable shall be a proprietary cable with Mil-spec circular connectors, rated 1P67.
 - b. The cable shall include digital image bus, 12 V power supply, IR illuminator signals.
 - c. Junction box
 - d. Three (3) magnetic mounts for the three cameras for installation onto a Crown Victoria
 - e. 2 Power Cables
 - f. 2 Ethernet cables
 - g. 2 GPS units
 - h. Phone support
 - i. Onsite training
 - j. Service Plan for above equipment for hardware and software support

TOWN OF NEWINGTON

MOBILE LICENSE PLATE READER SYSTEM

BID FORM

Town Manager
131 Cedar Street
Newington, CT 06111

BASE BID

In accordance with the specifications, the undersigned submits the following bid for a Mobile License Plate Reader System, for the amount of:

\$ _____ each

EXTENDED WARRANTY

In accordance with the specifications, the cost for an extension on warranty/maintenance for both hardware and software for up to three (3) years from the date of installation, for the amount of:

\$ _____ per year

The undersigned is submitting this bid without collusion with any other individual or corporation.

SUBMITTED FOR:

SUBMITTED BY:

Firm _____

Signature _____.

Address _____

Name _____.

Title _____.

Telephone _____.